DZHAVADOV, M. A.

Gonometricheskiye sistemy. Baku, Trudy sek. matem. AN Az SSR (1946), 72-99.

SO: Matematics in the USSR, 1917-1947
edited by Kurosh, A. G.,
Markushevich, A. I.,
Rashevskiy, P. K.
Moscow-Leningrad, 1948

DZHAVADOV, M.

16(1) PHASE I BOOK EXPLOITATION SOV/1964

Moscow. Universitet. Nauchno-issledovatel'skiy institut matematiki

Trudy seminara po vektornomu i tenzornomu analizu s ikh prilozheniyami k geometrii, mekhanike i fizike, vyp. 8 (Transactions of the Seminar on Vector and Tensor Analysis and Their Applications to Geometry, Mechanics, and Physics; Nr 8) Moscow, Gostekhizdat, 1950. 449 p. 1,500 copies printed.

Ed. (Title page): V.F. Kagan, Professor; Ed. (Inside book): I.M. Yaglom, Tech. Ed.: E.Ye. Nurnberova.

PURPOSE: This book is intended for professional mathematicians, especially geometricians, and for physicists.

COVERAGE: This book contains some contributions to geometry presented by various leading Soviet mathematicians at the Seminar on Vector and Tensor Analysis, held from January 1, 1948, to July 1, 1949. Applications to physics and mechanics are not discussed in any detail. However, each article is significant for its possible applications in physics, especially the three articles by V. V. Vagner. In his

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article, "The Theory of a Complex Manifold," Vagner constructs a general theory of objects, which turns out to be a generalization of affinor analysis, and examines the operation of the absolute tonal differentiation, which is important to the applications of variational calculus, for the field of any local differential object. In his second article, The Geometry of a Space with a Hyperbolic Metric as the Theory of a Field of Local Hypersurfaces in a Complex Manifold," Vagner gives the construction of a geometry of a space with hyperbolic metric in such a manner that its immediate application to a geometric interpretation of the corresponding variational problem is possible. In his last article, "Theory of a Field of Local Hyperstrips", Vagner discusses the geometry of a regular $n-1$ dimensional hyperstrip in an n-dimensional central affine space as well as the theory of a field of local regular $n-1$ dimensional hyperstrips in X_n and the application of this theory to rigid mechanical systems with nonlinear connection. The following persons submitted reports to the Seminar which are not contained in the book: A. P. Norden, V.F. Kagan, D.I. Pinar, E.S. Yasenko, B.A. Rosenfel'd, P.K. Rashevskiy, Ya.S. Dubnov, V.V. Vagner, I.M. Yaglom, A.Ya. Lavrent'yev, V.N. Shuykin, D.P. Polubarinova-Kochina, N.G. Preyden, E.A. Muller, G.D. Suvorov, A.M. Lopshits, E.V. Tarkhov, I.P. Yegorov, and Yu.A. Surinov.

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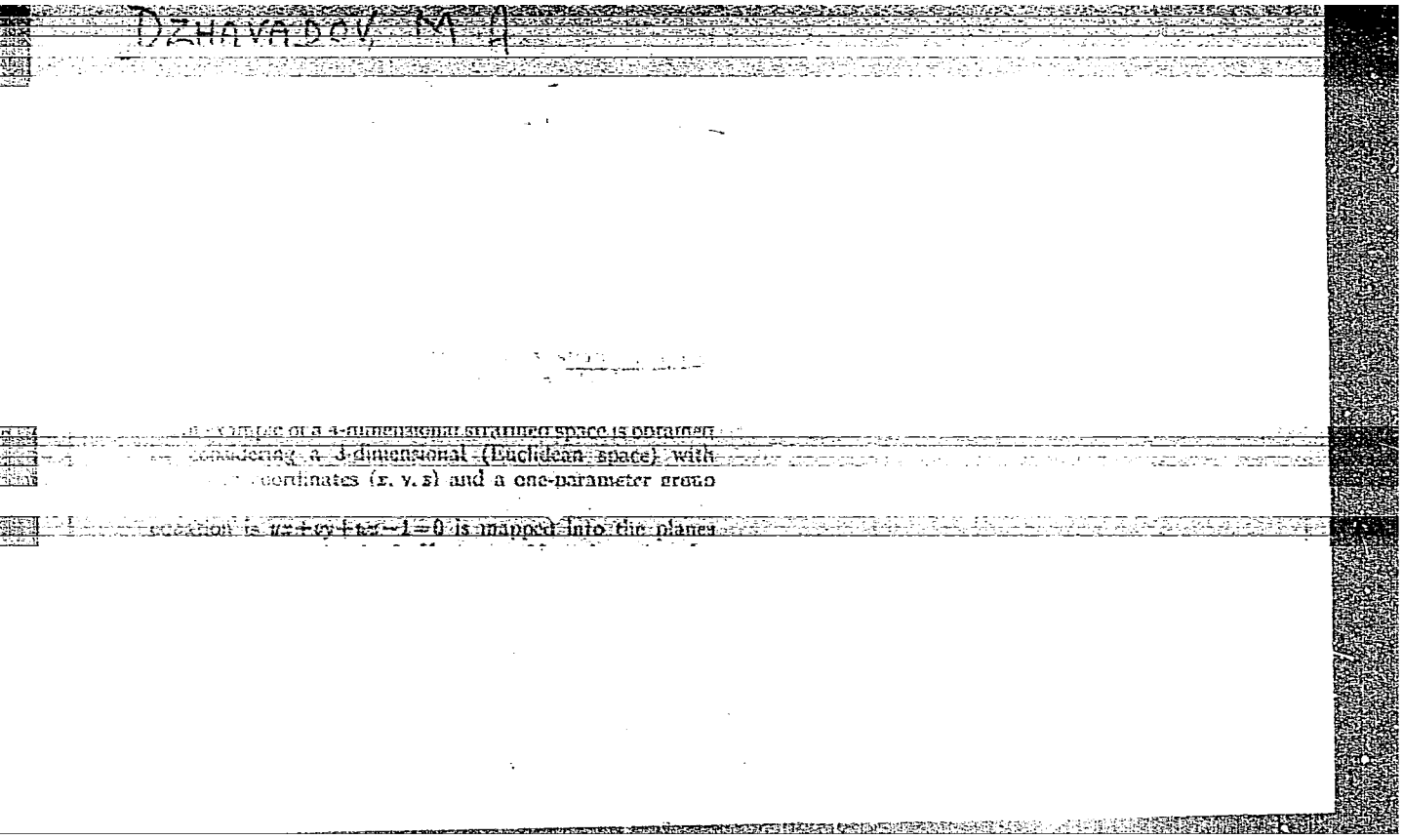

DZHAVADOV, M. A., 1 Oct 52

USSR/Mathematics - Conformal Transformations

"Confromal Transformations in Euclidean and Pseudo-Euclidean Spaces of Any Number of Dimensions as Fractional-Linear Transformations," M. A. Dzhavadov, Azerbaydzhan State Univ imeni Kirov

DAN SSSR, Vol 86, No 4, pp 653-6

Show conformal transformations of any Euclidean space R_n and speudo-Euclidean space $1R_n$ representable in form of ractional-linear transformations in certain algebra of numbers possesing more complex nature. See B. A. Rozenfel'd (DAN SSSR, Vol 74, No 3, 421 (1950); Works of Seminar on Tensor Analysis of Moscow State Univ, No 6, 506 (1948). Presented by Acad I. G. Petrovskiy.

252T69

DZHAVADOV, M. A.

USSR/Mathematics - Projective geometry

Card : 1/1 Pub. 22 - 4/48

Authors : Dzhavadov, M. A.

Title : Projective and non-Euclidean geometries with (over) matrices.

Periodical : Dok. AN SSSR 97/5, 769 - 772, August 11, 1954

Abstract : Basic theorems of projective geometry in the real, the complex and the double matrices of any order are proved. Also, all non-Euclidean spaces of any dimension are defined for the mentioned matrices. Five references. (1946-1952).

Institution : ...

Presented by : Academician P. S. Alexandrov, June 1, 1954

DZHAVADOV,M.A.; ISMAILOV,A.P.; KASIMOVA,S.S.

Spaces over algebras of alternions. Dokl. AN Azerb. SSR 11 no.1: 3-8 '55. (MLRA 8:10)

1. Azerbaydzhanskiy gosudarstvennyy universitet im. S.M.Kirova. Predstavleno deystvitel'nym chlenom Akademii nauk Azerbaydzhanskoy SSR I.G.Yes'manom
(Geometry, Differential--Projective)

DZHAVADOV, M.A.

DZHAVADOV, M.A.; ABBASOV, N.T.; ALIYEVA, F.M.

Linear congruences in spaces over algebras of alternions. Dokl. AN Azerb.SSR 11 no.2:75-78 '55. (MIRA 8:10)

1. Azerbaydzhanskiy gosudarstvennyy universitet im. S.M.Kirova. Predstavleno deystvitel'nym chlenom Akademii nauk Azerbaydzhanskoy SSR I.G.Yes'manom.
(Geometry, Differential--Projections) (Congruences (Geometry))

DZHAVADOV, M.A. (Baku)

Non-Euclidean geometries over alternion algebras. Uch.zap.Kaz.un. 115 no.10:8-9 '55. (MLRA 10:5)
(Geometry, Non-Euclidean)
(Algebra, Abstract)

DZHAVADOV, M. A. Doc Phys-Math Sci -- (diss) " Geometries ~~over~~ on algebra and their application in ~~solid~~ real geometries." Kazan', 1956. 27 pp 22 cm, 100 copies

(KL, 8-57, 107)

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DZHAVADOV, M. A.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow, Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

Mention is made of Petrovskiy, I. G. and Andronov, A. A.

There are 4 references, all of them English.

Dzhavadov, M. A. (Baku). Spaces Over Alternions and Their Application for the Geometric Interpretation of Spinor Representations of Non-Euclidean Space Motion. 149-151

Drinfel'd, G. I. (Khar'kov). Theory of Integral Invariants and Integral Geometry. 151

Yegorov, I. P. (Penza). Equiaffine Spaces of Third Lacunarity. 151-152

There are 2 references, both of them USSR.

Zalgaller, V. A. (Leningrad). On the Fundamentals of the Theory of Two-dimensional Manifolds of a Bounded Curvature. 152

There is 1 USSR reference.

Card 49/80

SOV/44 - 58 - 4 - 3222

Translation from: Referativnyy zhurnal, Matematika, 1958, Nr 4, p 125 (USSR)

AUTHOR: Dzhavadov, M. A.

TITLE: On the Problem of Metric Duality (K voprosu o metricheskoy dvoystvennosti)

PERIODICAL: Uch. zap. Azerb. un-ta, 1956, Nr 6, pp 3 - 17

ABSTRACT: V. F. Kagan (Tr. Seminara po vektorn. i tenzorn. analizu, Nr V, 1937) called such a two-parameter family of curves, in which the square of an infinitely small angle $d\varphi$ between close curves is expressed by a differential quadratic form, a gonometric family of curves on the plane. From the differential equations which determine the gonometric families, it is obvious that they can be constructed quite arbitrarily; however, before the author's work, only a trivial class of examples were known: two-parameter families of circles. The author constructs the following

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nontrivial example of a gonometric family:

$$x = \int \frac{16(\xi - \mathcal{L}^2)\,d\mathcal{L}}{(8-\mathcal{L}^2)\sqrt{(8-\mathcal{L}^2)^2 - (\xi-\mathcal{L}^2)^2}} + \eta\,;$$

$$y = \frac{\mathcal{L}}{8-\mathcal{L}^2} - \frac{1}{4\sqrt{2}} \ln \frac{\sqrt{8}-\mathcal{L}}{\sqrt{8}+\mathcal{L}}\,,$$

where ξ, η are parameters of the curve of the family; L is a parameter on the curve. Further

$$d\varphi^2 = \frac{d\xi^2}{64-\xi^2} + \frac{(64-\xi^2)(8-\xi)}{128}\,d\eta^2.$$

The example given is part of a whole class of gonometric families derived by the author in which the selection of the family depends on several arbitrary constants; however, the equations of these families are written now not by means of elementary functions, but by means of the solutions of certain ordinary differential equations of the first order.

P. K. Rashevskiy

DZHAVADOV, M.A.

Projective spaces over algebras. Uch. zap. AGU no.2:3-18 '57.
(Geometry, Differential--Projective) (MIRA 11:1)

DZHAVADOV, M.A.

DZHAVADOV, M.A.

Non-Euclidean geometries over algebras. Uch. zap AGU no.4:3-16 '57.
(Geometry, Differential) (MIRA 11:1)

DZHAVADOV, M.A.

Affine spaces over algebras. Uch. zap. AGU no.7:3-21 '57.
(Algebra, Abstract) (MIRA 11:11)

DZHAVADOV, M.A.

Geometrical interpretation of the spinor representations of non-Euclidean space motion groups. Uch.zap.AGU no.11:3-18 '57.
(Spinor analysis) (MIRA 11:11)

DZHAVADOV, M.A.

Development of the Sub-Kirmaki series in the Staroye Kala area. Dokl. AN Azerb. SSR 20 no.3:61-64 '64. (MIRA 17:7)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche nefti. Predstavleno akademikom AN AzerSSR M.V.Abramovichem.

DZHAVADOV, M.G.

Solution of one mixed problem on a ray. Dokl. AN Azerb.SSR 13 no.3:243-246 '57. (MLRA 10:7)

1. Institut fiziki i matematiki Akademii nauk Azerbaydzhanskoy SSR. Predstavleno akademikom Akademii nauk Azerbaydzhanskoy SSR S.I. Khalilovym.
(Differential equations, Partial)

DZHAVADOV, M.G.

One integral equation. Dokl.AN Azerb. SSR 13 no.6:597-600 '57.
(MLRA 10:8)

1.Institut fiziki i matematiki Akademii nauk Azerbaydzhanskoy SSR,
Predstavleno akademikom AN Azerbaydzhanskoy SSR Z.I. Khalikovym.
(Integral equations)

DZHAVADOV, M.G., Cand Phys Math Sci -- (diss) "Study of mixed problems in the class of generalized functions." Baku, Pub House of Acad Sci AzSSR., 1958, 9 pp (Min of Higher Education USSR. Azerbaydzhan State Univ im S.M. Kirov) 100 copies. Bibliography: p 8-9 (14 titles) (KL, 27-58, 102)

DZHAVADOV, M.G.

Studying a mixed problem in the class of generalized functions. Dokl. AN Azerb. SSR 14 no.3:195-199 '58. (MIRA 11:4)

1. Institut fiziki i matematiki AN AzerSSR. Predstavleno akademikom AN AzerSSR Z.I. Khalilovym.
(Functions)

DZHAVADOV, M.G.

One solution of a mixed problem for a hyperbolic equation. Izv. AN Azerb. SSR. Ser. fiz.-mat i tekh. nauk. no.3:3-13 '59 (MIRA 13:3)
(Differential equations)

88872

S/044/60/000/007/028/058
C111/C222

16.4500

AUTHOR: Dzhavadov, M.G.

TITLE: On an integral equation

PERIODICAL: Referativnyy zhurnal. Matematika, no.7, 1960, 127. Abstract no.7755. Tr.In-ta fiz.i matem.,AN Azerb.SSR, 1959, 8, 169-172

TEXT: With the method of successive approximations the author proves the existence of a unique solution of the equation $U(t) = \psi(U|t)+v(t)$, where $\psi(U|t) = \int_0^t \Phi(t,\tau,U(\tau))d\tau$, $t\in[0,T]$ and $U(t)$, $\psi(U|t)$ belong to a Banach space in which the norm of the elements is a summable function of t. It is assumed that

$$\|\psi(U_2|t)-\psi(U_1|t)\| \leq \varphi(t)\int_0^t a(\tau)\|U_2(\tau)-U_1(\tau)\|\,dt,$$

where $\varphi(t)$ is continuous, and $a(t)$ is summable on $[0,T]$. The integral is understood in the sense of Bochner. As an example for the application

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C111/C222

On an integral equation

of the proved theorem the author considers an integral equation to which the solution of the mixed problem on the straight line or on the halfline can be reduced by a generalized Fourier method.

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

Card 2/2

DZHAVADOV, M.G.

Solving a mixed problem for a general hyperbolic equation of the second order in a class of generalized functions. Izv. AN Azerb. SSR.Ser. fiz.-mat. i tekh. nauk no.3:3-6 '60. (MIRA 13:11)
(Differential equations, Partial)

DZHAVADOV, M.G.

Mixed problem for a parabolic equation. Dokl. AN Azerb. SSR 16 no. 11:1047-1051 '60. (MIRA 14:2)

1. Institut matematiki i mekhaniki AN AzerSSR. Predstavleno akademikom AN AzerSSR Z.I. Khalilovym.
(Differential equations, Linear)

38099 S/020/62/144/002/001/028
B112/B102

10.3560

AUTHOR: Dzhavadov, M. G.

TITLE: Asymptoticity of the solution of a mixed-type problem for a fourth-order equation with a small parameter, which is degenerating into a hyperbolic second-order equation

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 144, no. 2, 1962, 258-260

TEXT: Following to the method of M. I. Vishik and L. A. Lyusternik (UMN, 12, no. 5 (77) (1957)), the author solves the boundary value problem

$$\mathcal{L}_\varepsilon u \equiv \partial^2 u/\partial t^2 - \partial^2 u/\partial x^2 + \varepsilon \partial^4 u/\partial x^4 = f(t,x),$$

$$u|_{\tau=0} = 0,\ \partial u/\partial t|_{t=0} = 0,\ u|_{x=0} = 0,\ u|_{x=1} = 0,\ \partial u/\partial x|_{x=0} = 0,\ \partial u/\partial x|_{x=1} = 0$$

by a function

$$u(t,x) = (w_0 + \sum_{i=1}^{n} \varepsilon^i w_i) + (v_0^1 + \sum_{i=1}^{n} \varepsilon^i v_i^1) + (v_0^2 + \sum_{i=1}^{n} \varepsilon^i v_i^2)$$

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B112/B102

$$+ \left(\varphi_0^1 + \sum_{i=1}^{n} \varepsilon^i \varphi_i^1\right) + \left(\varphi_0^2 + \sum_{i=1}^{n} \varepsilon^i \varphi_i^2\right) + Z_\varepsilon^n(t,x).$$

The functions w_i are determined by the following iteration process: $\partial^2 w_0/\partial t^2 - \partial^2 w_0/\partial x^2 = f(t,x)$; $w_0|_{t=0} = 0$, $\partial w_0/\partial t|_{t=0} = 0$, $w_0|_{x=0} = 0$, $w_0|_{x=1} = 0$; $\partial^2 w_i/\partial t^2 - \partial^2 w_i/\partial x^2 = -\partial^4 w_{i-1}/\partial x^4$ $(i = 1,2,\ldots,n)$. The following second iteration process yields the functions v_i^1 and v_i^2: $\partial^4 v_0^1/\partial y^4 - \partial^2 v_0^1/\partial y^2 = 0$, $\partial(w_0 + v_0^1)/\partial x|_{x=0} = 0$; $\partial^4 v_i^1/\partial y^4 - \partial^2 v_i^1/\partial y^2 = -\partial^2 v_{i-1}^1/\partial t^2$ $(i = 1,2,\ldots,n)$. The functions φ_i^1 and φ_i^2 are correction terms, $Z_\varepsilon^n(t,x)$ is a residual term.

PRESENTED: January 2, 1962, by I. G. Petrovskiy, Academician
SUBMITTED: November 30, 1961

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16.6500

S/233/62/000/003/001/010
I027/I242

AUTHOR: Dzhavadov, M.G.

TITLE: Investigation of a mixed problem of a single fourth-order equation with a small parameter

PERIODICAL: Akademiya nauk Azerbaydzhanskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk, no.3, 1962, 29-35

TEXT: An asymptotic solution is constructed for the problem

$$L_\varepsilon U \equiv \frac{\partial U}{\partial t} - \frac{\partial^2 U}{\partial x^2} + \varepsilon \frac{\partial^4 U}{\partial x^4} = f(t_1 x) \qquad (1)$$

$$U\big|_{t=0} = 0, \quad 0 \le x \le l \qquad (2)$$

$$U\big|_{x=0} = 0, \quad U|_{x=l} = 0, \quad \frac{\partial U}{\partial x}\Big|_{x=0} = 0, \quad \frac{\partial U}{\partial x}\Big|_{x=l} = 0 \quad 0 \le t \le T \qquad (3)$$

ε is a small parameter and $f(t_1 x)$ - a given function.

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Investigation of a mixed problem...

The method of Vishik and Lyusternik [Ref. 1: UMP, v.12, no.2 (77), 1957] is used. The asymptotic solution is sought in the form:

$$U(t,x) = (w_0 + \sum_{i=1}^{n} \varepsilon^i w_i) + (v_0^1 + \sum_{i=1}^{n} \varepsilon^i v_i^1) + (v_0^2 + \sum_{i=1}^{n} \varepsilon^i v_i^2) + \\ + (\varphi_0^1 + \sum_{i=1}^{n} \varepsilon^i \varphi_i^1) + (\varphi_0^2 + \sum_{i=1}^{n} \varepsilon^i \varphi_i^2) + z_\varepsilon^n(t,x), \quad (4)$$

where w_0 is the solution of $\frac{\partial w_0}{\partial t} - \frac{\partial^2 w_0}{\partial x^2} = f(x\ t)$ and $w_0|_{t=0} = w_0|_{x=0} = w_0|_{x=1} = 0$. The values of w_i are found as iterative solutions of $\frac{\partial w_0}{\partial t} - \frac{\partial^2 w_i}{\partial x^2} = -\frac{\partial^4 w_{i-1}}{\partial x^4}$, with the same boundary conditions as w_0. The values of v_i^1 are determined by a second iteration process, in which one tries to find a good approximation in the neigborhood of $x = 0$. v_i^2's are similarly determined

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S/233/62/000/003/001/010
I027/I242

Investigation of a mixed problem...

by considering $x = l, p_i^1, p_i^2$ are correction terms added in order to take care of all the boundary conditions. The estimate for the remainder term z_ε^n is $\int_0^t \int_\varepsilon (z_\varepsilon^n)^2 dx dt = O(\varepsilon^{n+1/2})$, $\varepsilon \to 0$.

Card 3/3

ACCESSION NR: AP4027704 S/0233/63/000/006/0003/0009

AUTHOR: Dzhavadov, M. G.

TITLE: Cauchy problem for hyperbolic equation with small parameter at higher derivatives

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiz.-matem. i tekhn. nauk, no. 6, 1963, 3-9

TOPIC TAGS: Cauchy problem, hyperbolic equation, higher derivative, mathematical analysis, partial differential equation

ABSTRACT: The following Cauchy problem was examined

$$L_\varepsilon U \equiv \varepsilon a U + bU = f, \quad (1)$$

$$D_t^k U|_{t=0} = 0, \quad k = 0, 1, \ldots, m. \quad (2)$$

The purpose of the present paper is to construct the asymptotics of the solution of equations (1) and (2) with respect to a small parameter. The Vishik-Lyusternik was utilized (M. I. Vishik and L. A. Lyusternik, UMN, vol. XV, no. 3 (1960) 93). Before the asymptotics

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ACCESSION NR: AP4027704

of the solution can be set up, another expression for the operator L_ε in the proximity of the boundary $X_1 = 0$ is written down. There is a substitution of the variables $x_1 = \varepsilon\tau$ and the coefficients L_ε are factored by the powers $\varepsilon\tau$. The solutions to (1) and (2) are then sought in the form

$$U = \sum_{i=0}^{n} \varepsilon^i W_i + \varepsilon^m \sum_{i=0}^{n} \varepsilon^i v_i + \varepsilon^{n+1} Z_n'.$$

Orig. art. has: 21 equations

ASSOCIATION: AN Azerb SSR

SUBMITTED: 00 ENCL: 00

SUB CODE: MA NR REF SOV: 001 OTHER: 001

Card 2/2

DZHAVADOV, M.G.

Mixed problem for a hyperbolic equation with a small parameter at the higher derivatives. Dokl. AN SSSR 152 no.4:790-793 O '63. (MIRA 16:11)

1. Institut matematiki i mekhaniki AN AzerbSSR. Predstavleno akademikom I.G. Petrovskim.

DZHAVADOV, M.G.

Completeness of a part of eigenfunctions of a non-self-adjoint differential operator. Dokl. AN SSSR 159 no.4:723-725 D '64
(MIRA 18:1)

1. Institut matematiki i mekhaniki AN AzerSSR. Predstavleno akademikom I.G. Petrovskim.

L 20811-66 EWT(d) LIP(c)
ACC NR: AP6012028 SOURCE CODE: UR/0020/65/160/003/0507/0510

AUTHOR: Dzhavadov, M. G.

ORG: Institute of Mathematics and Mechanics, AN AzerbSSR (Institut matematiki i mekhaniki AN AzerbSSR)

TITLE: Asymptotic behavior of the solution of a boundary value problem for a second order elliptic equation in regions where one of the dimensions is small compared to the others

SOURCE: AN SSSR. Doklady, v. 160, no. 3, 1965, 507-510

TOPIC TAGS: asymptotic solution, boundary value problem, second order equation, iteration

ABSTRACT: Let Q be a cylinder of height h which is small relative to the other dimensions. Let the lateral surface of the cylinder by F and let the problem be:

$$\mathcal{L}u \equiv \sum_{i,j=1}^{n} a_{ij} \frac{\partial^2 u}{\partial x_i \partial x_j} + \sum_{i=1}^{n} a_i \frac{\partial u}{\partial x_i} - bu = 0;$$

$$a_{nn} \frac{\partial u}{\partial x_n} + \sum_{i=1}^{n-1} a_{in} \frac{\partial u}{\partial x_i} + \frac{a_n}{2} u = \begin{cases} P & \text{при } x_n = h, \\ 0 & \text{при } x_n = 0; \end{cases}$$

$$u|_F = \Phi(s, x_n),$$

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ACC NR: AP6012028

where $a_{ij} = a_{ji}$, $\sum_{i,j=1}^{n} a_{ij}\xi_i\xi_j \geqslant \alpha \sum_{i=1}^{n} \xi_i^2$, $\alpha = \text{const} > 0$, $b \geqslant 0$, $P(x_1, x_2, \ldots, x_{n-1})$ and $\Phi(s, x_n)$ are the given, smooth functions. Then the problem has a unique solution employing first and second iterations, and an asymptotic expansion for it is obtained

$$u = \sum_{i=-1}^{n+1} h^i w_i + \sum_{j=0}^{n+1} h^j v_j + z_h,$$

in which the final term tends to 0 for $h \to 0$ as h^{n+1} in the $L_2(Q)$ metric. This paper was presented by Academician I. N. Vekua on 11 July 1964. The author thanks L. A. Lyusternik and M. I. Vishik for posing the problems and for guidance in their solutions. Orig. art. has: 20 formulas. [JPRS]

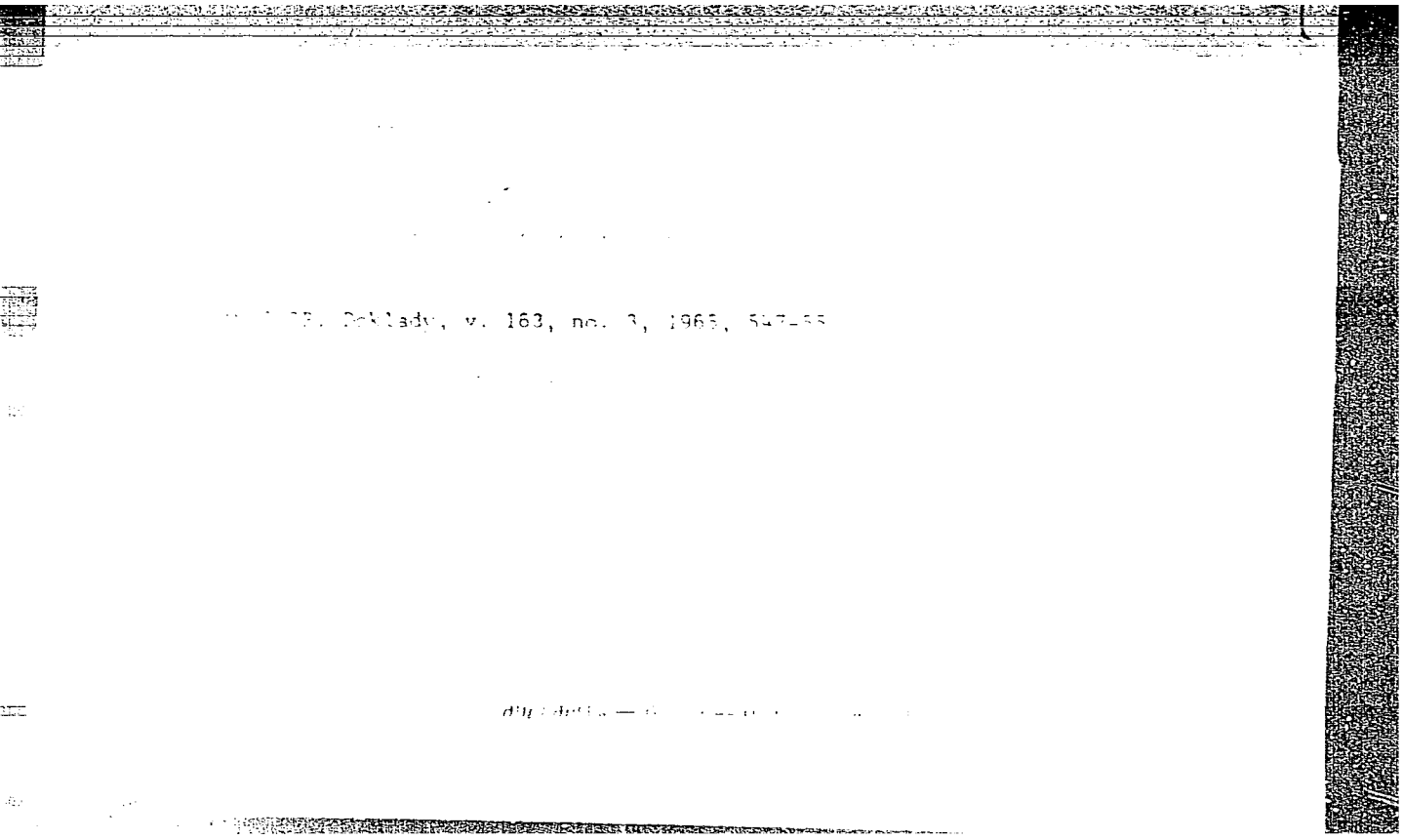
SUB CODE: 12 / SUBM DATE: 26Jun64 / ORIG REF: 003 / OTH REF: 001

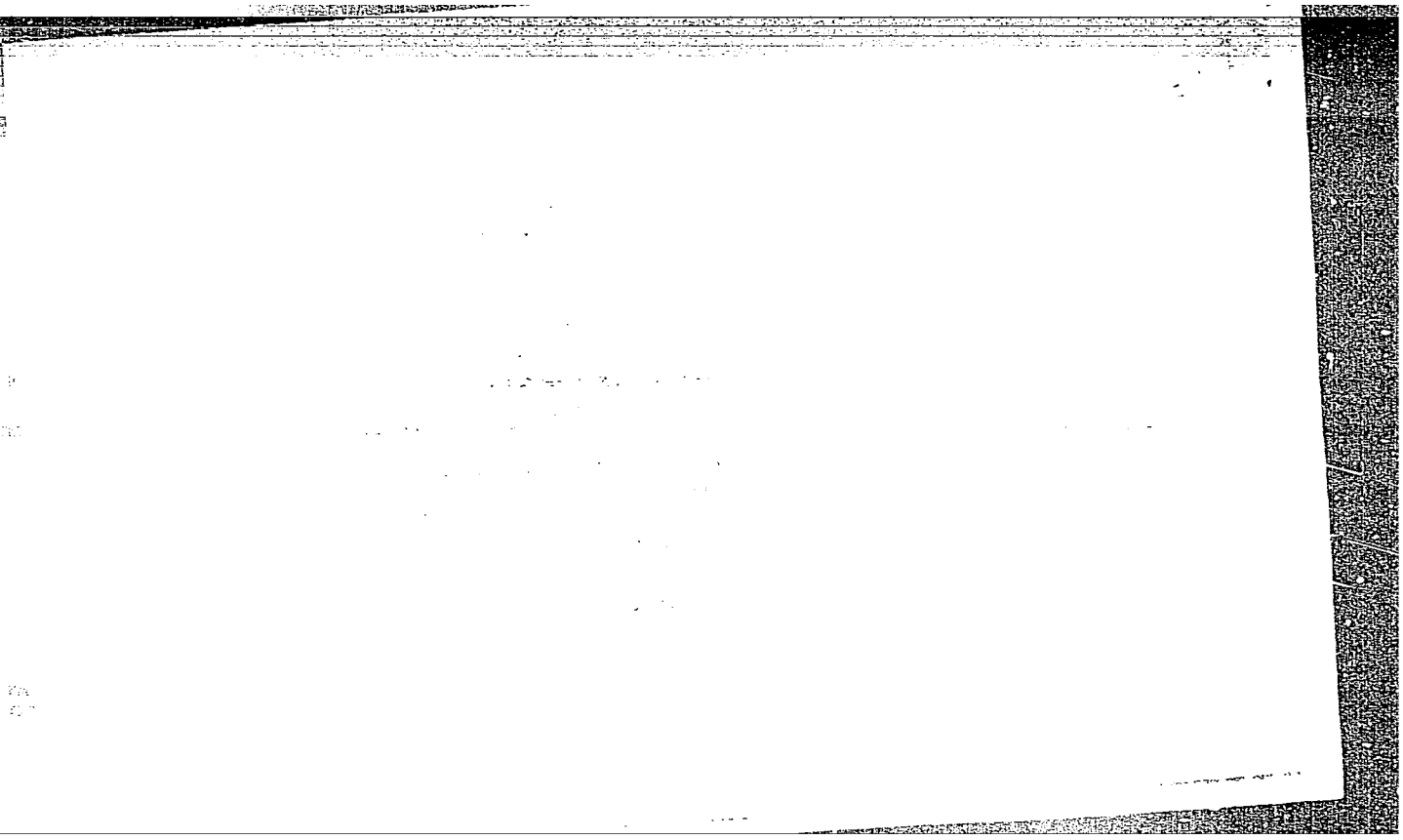
Card 2/2

DZHAVAROV, M.G.

m-Fold completeness of the eigenfunctions and adjoint functions of an ordinary differential operator of order 2m. Dokl. AN SSSR 160 no.4:754-757 F '65. (MIRA 18:2)

1. Institut matematiki i mekhaniki AN AzerSSR. Submitted July 11, 1964.





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DZHAVADOV, R.B.

For better public health on collective farms. Azerb.med.zhur. no.1 116-117 Ja '58 (MIRA 11:12)
(AZERBAIJAN--PUBLIC HEALTH, RURAL)

DZHAVADOV, R.B.

Training doctors of medicine at the Azerbaijan State Institute of Advanced Training for Physicians. Azerb.med.zhur. no.2:87-89 F '58 (MIRA 11:12)

(AZERBAIJAN--MEDICINE--STUDY AND TEACHING)

DZHAVADOV, R.B.

Honored scientist Professor A.K. Alibekov. Azerb.med.zhur. no.1: 84-86 Ja '59. (MIRA 12:4)
(Alibekov, Alibek Kulibek 1878-)

DZHAVADOV, R.B.

Salar Agarafievich Imanaliev; obituary. Azerb.med.zhur. no.5:81-82 My '59. (MIRA 12:8)
(IMANALIEV, SALAR AGARAFIEVICH, 1898-1959)

DZHAVADOV, R.B.

Eminent scientist and patriot. Azerb.med.zhur. no.6:88-92 Je '59. (MIRA 12:9)
(GAMALEIA, NIKOLAI FEDOROVICH, 1859-1949)

17(6)

SOV/16-59-6-45/46

AUTHOR: Dzhavadov, R.B.

TITLE: First Congress of Hygienists, Epidemiologists, Microbiologists and Infectious Diseases Experts of the Azerbaydzhan SSR

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1959, Nr 6, pp 154-156 (USSR)

ABSTRACT: The Pervyy s"yezd gigienistov, epidemiologov, mikrobiologov i infektsionistov Azerbaydzhana (First Congress of Hygienists, Epidemiologists, Microbiologists and Infectious Diseases Experts of Azerbaydzhan) was held in Baku from November 26-28, 1958. The Congress was devoted to problems of prophylaxis and combatting infectious diseases. The Congress was attended by 500 delegates from all parts of the Soviet Union. About 100 papers were presented, of which 5 were given in the general sessions, 32 in the hygienists' section, 34 in the epidemiologists' section and 25 in the Infectious Diseases Experts' section. The Deputy Minister of Public Health, R.B. Dzhavadov reported on the tasks facing the Azerbaydzhan public health officials in the field of prophylactic medicine and illustrated the great drop in the incidence of malaria, epidemic typhus fever, typhoid (by 4.5 times), diphtheria (by 4.7 times), scarlet

Card 1/6

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fever (3 times), etc. Corresponding Member of the AMN, USSR, A.B. Aleksanyan analyzed the research which had been performed in Azerbaydzhan on the immunity, epidemiology and prophylaxis of brucellosis, epidemic typhus, intestinal and infantile infections, zoonoses, influenza, etc. Doctor of Medical Sciences B.F. Medzhidov analyzed the epidemiology of influenza in Azerbaydzhan during the 1957, pandemic. The features of the 1957 influenza pandemic in Baku were dealt with in a paper by B.G. Magerramov and Z.A. Gadzhieva, Associates of the Institut epidemiologii, mikrobiologii i gigieny (Institute of Epidemiology, Microbiology and Hygiene). Doctor of Medical Sciences A.O. Mirzabekyan reported his findings on the regeneration of filterable forms of Salmonella typhosa from filtrates of patients' blood, urine and excreta. The regenerated strains had high immunogenic properties and were non-virulent. From their studies S.Ya. Berman and I.A. Gamzayev concluded that the main epidemiological factor in acute intestinal disorders of children in the first year of life is Escherichia coli. Z.M. Sayenko showed the epidemiological importance of typhus-paratyphoid carriers among children. Docent K.G. Katsidaze and scientific associate M.A. Kerimova dealt with the problem

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of immunity to diphtheria in children. A.N. Sterkhova, S.A. Imamaliyev and A.N. Sterkhova and D.I. Safarov dealt with the epidemiology and microbiology of rickettsioses. Sterkhova found Q fever widespread among humans and farm animals in 12 districts of Azerbaydzhan. R .B. Dzhavadov discussed the improvements he had made to the technique of small-pox vaccination. Professor P.P. Popov discussed the geographical distribution of some transmissive and parasitic diseases in Azerbaydzhan. Candidate of Medical Sciences G.A. Guseynova, discussing the epidemiology of ankylostomidoses, showed that the main factor in its transmission is the soil and after this fruit and vegetables. Kh.I. Abdullayev, studying the malariogenic conditions and their variation during the building of certain canals in Azerbaydzhan, recommended a number of effective antimalarial measures. Poliomyelitis in Baku was discussed by A.P. Babayev, who, in 1957, was the first to study the method of tissue cultures for isolating viruses and typifying the isolated strains, performing this work in the Viruses Laboratory at the Azerbaydzhan Institute of Epidemiology, Microbiology and Hygiene. Professor M.I. Lur'ye confirmed from his experiments that there is a direct correlation between the state of the nervous system and the immunological processes. Docent N.D. Aliyev showed that mud agar

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is an excellent nutrient medium for differentiating microbe species in studying the microflora of the soil, air and balneological mud. R.A. Bayramova, S.S. Efendiyev, V.Ye. Khain, M.G. Bagramyan, A.A. Dzhafarov, R.A. Tardzhimanova, A.A. Nasyrbekov, etc., spoke on experimental tick-borne spirochetosis, the precipitation reaction with haptene for detecting typhoid and dysentery bacteria in water, the effectiveness of the malaria campaign, spring treatment of premises with long-acting insecticides, the phagocytic activity of leukocytes in dysentery patients, the helminth fauna of rodents in the Lenkorana area, Botkin's disease in Mingechaura, etc. S.G. Mamedov reported on the clinical treatment of bacterial dysentery in helminth invasions. G.D. Mekhtiyev, A.N. Kostareva, L.A. Makhmudbekov, Doctor of Medical Sciences, and Candidate of Medical Sciences Khanukayeva all dealt with various aspects of dysentery. Professor M. Safaralibekov and Candidate of Medical Sciences A. Dzhabiyev characterized the clinical course of Botkin's disease. I.B. Tagiyev spoke on the clinico-epidemiological characteristics of this disease in the region of Apsheron. Candidate of Medical Sciences A.T. Kulibekova communicated the results of her study of protein metabolism in patients with Botkin's

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disease. Doctor of Medical Sciences, L.A. Makhmudbekov and A.Kh. Ramazanov discussed the stimulative effects of the adrenocortical hormone in treating Botkin's disease. Kh.G. Ramazanov reported on the use of Istisu mineral water for treating the same desease. Professor M.R. Nazirov presented a paper on "Some Results of Studying the Clinical Aspects of Brucellosis in Azerbaydzhan". Candidate of Medical Sciences G.M. Imamaliyeva, D.G. Babayev and V.F. Lysenko also dealt with aspects of brucellosis. M.M. Kuliyev discussed the course of typhoid in relation to the methods of therapy and the efficacy of synthomycin. Professor Sh.S. Khalfen discussed the clinical aspects of influenza and the complications from intestinal amebiasis. Candidate of Medical Sciences A.S. Mardanly stressed the need for examining food industry workers for carriers of amoebic dysentery cysts. Other infections were also discussed: parotitis (Sh.S. Khalfen and O.V. Pakusina), leishmaniasis (A.N. Geydarov), the pathogenesis of eosinophilia in infections and invasions (T.P. Glashkina), associated hepato-cholecystitis

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in bacterio-protozoic infections of the intestine (T.A. Melikova), the action of carotene in regenerating the blood during postinfective anemias (R.S. Khanukayeva). Elections to the executive body of the Society were held. Professor M.M. Efendi-Zade was elected President and Candidate of Medical Sciences M.G. Akhundov - Chairman of the Revisory Committee.

DZHAVADOV, R.B.

Eminent figure in the Soviet public health service. Azerb.med.zhur. no.9:50-55 S '59. (MIRA 13:1)

1. Zamestitel' ministra zdravookhraneniya Azerbaydzhanskoy SSR.
(SEMASHKO, NIKOLAI ALEKSANDROVICH, 1874-1949)

DZHAVADOV, R.B.

Honored Scientist, Professor Alibek Kulibek ogly Alibekov.
Sov.zdrav. 18 no.7:53-57 '59. (MIRA 12:9)

1. Zamestitel' ministra zdravookhraneniya Azerbaydzhanskoy SSR.

(ALIBEKOV, ALIBEK KULIBEK, 1878-)

DZHAVADOV, R.B.

History of cholera control; activities of N.F. Gamaleia in the control of an outbreak of cholera in Baku in 1904. Zhur.mikrobiol.,epid.i immun. 30 no.11:125-126 N '59. (MIRA 13:3)
(CHOLERA hist.)
(BIOGRAPHIES)

DZHAVADOV, R.B.

P.F.Zdrodovskii and Azerbaijan. Vop.virus. 6 no.5:636-637 S-O '60.
(MIRA 14:7)
(ZDRODOVSKII, PAVEL FELIKSOVICH, 189C-)

DZHAVADOV, R.B.; ALIYEV, R.K.; RUSTAMOV, A.I.

Pharmaceutical achievements in Azerbaijan during Soviet rule. Apt. delo 9 no. 4:3-6 Jl-Ag '60. (MIRA 13:8)

1. Azerbaydzhanskoye nauchnoye farmatsevticheskoye obshchestvo.
(AZERBAIJAN--PHARMACY)

DZHAVADOV, R.B. (Baku)

Forty years of public health in Soviet Azerbaidjan. Sov. zdrav. 19 no. 4:56-60 '60. (MIRA 13:10)

1. Zamestitel' ministra zdravookhraneniya Azerbaydzhanskoy SSR.
(AZERBAIJAN--PUBLIC HEALTH)

DZHAVADOV, R.B.

Problem of the immunoprophylaxis of smallpox. Zhur. mikrobiol. epid. i immun. 31 no. 4:138-139 Ap '60. (MIRA 13:10)
(SMALLPOX)

DZHAVADOV, R.B.

Georgii Norbertovich Gabrichevskii; on the hundredth anniversary of his birth. Med.paraz.i paraz.bol. 29 no.2:231-233 '60. (MIRA 13:12)

(GABRICHEVSKII, GEORGII NORBERTOVICH, 1860-1909)
(MALARIA)

DZHAVADOV, R.B.

Status of immunity against smallpox in the adult population. Zhur. mikrobiol. epid. i immun. 31 no.2:110-111 D '60. (MIRA 14:6)

1. Iz Instituta epidemiologii, mikrobiologii i gigiyeny Azerbaydzhanskoy SSR.

(SMALLPOX)

DZHAVADOV, R.B.

The 40 years of the public health system of the Georgian S.S.R.
Azerb. med. zhur. no. 5:3-9 My '61. (MIRA 14:4)

1. Zamestitel' ministra zdravookhraneniya Azerbaydzhanskoy SSR.
(GEORGIA—PUBLIC HEALTH)

DZHAVADOV, R.B.

Speeding eradication of diphtheria in the Republic. Azerb. med. zhur. no.9:3-7 S '61. (MIRA 14:9)

1. Nachal'nik shtaba po likvidatsii difterii v Azerbaydzhanskoy SSR.

(AZERBAIJAN--DIPHTHERIA)

DZHAVADOV, R.B.; MURAV'YEV, I.A., prof.; ALIYEV, R.K., prof.

All-Union scientific conference of pharmacists. Azerb. med. zhur. no.10:78-83 O '61. (MIRA 15:6)

1. Predsedatel' organizatsionnogo komiteta Vsesoyuznoy nauchnoy konferentsii farmatsevtov, pervyy zamestitel' ministra zdravookhraneniya Azerbaydzhanskoy SSR (for Dzhavadov). 2. Predsedatel' pravleniya Vsesoyuznogo nauchnogo farmatsevticheskogo obshchestva (for Murav'yev). 3. Predsedatel' pravleniya Azerbaydzhanskogo nauchnogo farmatsevticheskogo obshchestva (for Aliyev).
(PHARMACY--CONGRESSES)

DZHAVADOV, R.B.; ALIYEV, R.K. (Baku)

Strengthening practical relationships between pharmacists and physicians in Azerbaijan. Apt. delo 10 no.4:7-11 Jl-Ag '61. (MIRA 14:12)
(AZERBAIJAN--PHARMACY)

DZHAVADOV, R.B.; MURAV'YEV, I.A.; MEL'NICHENKO, A.K.; ALIYEV, R.K.

All-Union Scientific Conference of Pharmacists. Apt. delo 10 no.6: 3-9 N-D '61. (MIRA 15:2)
(BOTANY, MEDICAL--CONGRESSES)

DZHAVADOV, R.B.

Duration of postvaccinal immunity against smallpox. Zhur.mikrobiol., epid.i immun. 32 no.12:91-95 D '61. (MIRA 15:11)

1. Iz Azerbaydzhanskogo instituta epidemiologii, mikrobiologii i gigiyeny.

(SMALLPOX) (VACCINATION)

DZHAVADOV, R.B.; TAGIZADE, T.A.; NADZHAFOV, A.Yu.

Results of the Tashkent conference dedicated to the problems of liquidating diseases characteristic of countries with a hot climate. Azerb. med. zhur. no.1:78-82 Ja '62. (MIRA 16:5)
(TROPICS—DISEASES AND HYGIENE)

DZHAVADOV, R.B.

Progress of the implementation of the Jan. 14, 1960 decree of the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. concerning the irradication and marked decrease of infectious diseases during 1960 and 1961. Azerb. med. zhur. no.9:66 S '62 (MIRA 18:1)

DZHAVADOV, R.B.

Postvaccinal encephalitis. Azerb. med. zhur. no.12:64-68 '62.
(MIRA 17:4)

DZHAVADOV, R.F.

Role of progressive Russian scientists in the formation and development of the sanitary and antiepidemic branch of medicine in Azerbaijan. Azerb. med. zhur. 41 no.5:11-21 My '64.

(MIRA 18:10)

DZHAVADOV, R.B.

Role of Russian scientists in the control of parasitic diseases in Azerbaijan; on the 150th anniversary of the incorporation of Azerbaijan into Russia. Med. paraz. i paraz. bol. 34 no.3:337-340 My-Je '65. (MIRA 18:7)

ALEKPEROVA, S.A.; DZHAVADOV, S.P.; NIKITIN, Yu.S.

Structural-sorption characteristics of clays of some deposits of Azerbaijan S.S.R. Azerb.khim.zhur. no.4:51-57 '65.
(MIRA 18:12)

1. Azerbaydzhanskiy gosudarstvennyy universitet imeni Kirova.
Submitted January 29, 1965.

DZHAVADOVA, R.K.

Materials on the morphology of flowers of some species of Gleditschia occurring in Azerbaijan. Dokl. AN Azerb. SSR 18 no.2:77-81 '62. (MIRA 15:7)

1. Institut botaniki AN AzSSR. Predstavleno akademikom AN AzSSR G.A. Aliyevym.
(Azerbaijan--Gleditschia) (Flowers--Morphology)

DZHAVADYAN, A.M.

Interilio-abdominal amputation. Khirurgiia no.1:170-173 Ja '54. (MLRA 7:5)

1. Iz kafedry (zaveduyushchiy - professor G.M.Novikov) gospital'noy khirurgii pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta im. I.V.Stalina. (Amputations of leg)

DZHAVADYAN, A.M.

Growth of a pulmonary tumor into the cardiac cavity. Khirurgiia, no.12:62-63 D'55. (MLRA 9:7)

(LUNGS, neoplasms
intergrowth into cardiac cavity)
(HEART, neoplasms
intergrowth of pulm. cancer into cardiac cavity)

[illegible]AVADYAN, A.M., dotsent

Diagnostic value of cholangiography during surgery. Khirurgiia 32 no.6:22-26 Je '56. (MLRA 9:10)

From the Hospital Surgical Clinic

1. Iz gospital'noy khirurgicheskoy kliniki (dir. - prof. A.V.Gulyayev) pediatricheskogo fakul'teta II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni I.V.Stalina.

(CHOLANGIOGRAPY
in surg. of bile ducts, diag. value)
(BILE DUCTS, surg.
perop. cholangiography, diag. value)

of the Pediatric Faculty of the II Moscow State Med. Inst. im. I.V. Stalin

DZHAVADYAN, A. M. Doc Med Sci -- (diss) "Tactics of the surgical treatment of cholecystitis." Mos, 1958. 23 pp (Second Mos State Mod Inst im N. I. Pirogov) 200 copies (KL, 11-58, 120)

AKOPYAN, A.N.; [illegible]

Chemistry of divinylacetylene and its halo derivatives. Part 17: Chlorination of polychlorobutadienes, chloroberzene, and $\alpha\beta\beta$ - trichlorostyrene initiated by vinylacetylenic ayir carbons. Zhur. ob. khim. 35 no.1:51-5[illegible] Ja '65.

(MIRA 18:2)

1. Institut organicheskoy khimii AN Armyanskoy SSR.

DZHANADYAN, G.A.

VASIL'YEV, V.Z.; GEORGIYEVSKIY, M.N.; DUBYAGO,A.D.: TAUROK, V.G.; TSATSKIN, V.S.; SHAPOSHNIKOV, K.A.; DZHAVADYAN, G.A., redaktor; SOKOLOVA,T.F. tekhnicheskiy redaktor.

[Reference tables for machine parts] Spravochnye tablitsy po detaliam mashin. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Pt. 2.1955. 239 p. (MLRA 8:9)
(Mechanical engineering--Tables, calculations, etc)

DZHAVADYAN, N.S.

Hemostatic effect of pain stimulation. Arkh.pat., Moskva 13 no.1:22-28 Jan-Feb 1951. (CIML 20:9)

1. Of the Pathophysiological Laboratory (Head -- Prof. N.A. Fedorov), Central Order of Lenin Institute of Hematology and Blood Transfusion.

DZHAVADYAN, N. S.

908. Dzhavadyan, N. S. The problem of the Haemostatic Effect of Painful Stimuli and of Adrenaline. Pathol. Patol., 16, 22-23, Jan.-March, 1954. 2 figs., 9 refs.

The author has previously shown in dogs that the application of painful stimuli or the injection of adrenaline results in thrombocytosis, hyperthrombinaemia, and acceleration of the clotting time. He now reports the results of further investigations into the mechanism of this phenomenon, and particularly into the role played in it by the liver, spleen, and lungs. The experiments were again performed on dogs, some of which were splenectomized, blood being taken from the portal and hepatic veins, from the femoral artery and vein, and from the right and left sides of the heart before and after the application of an electric current or the injection of adrenaline.

The results suggest that the liver, through the production of thrombin and fibrinogen, is active in the regulation of blood coagulation, a painful stimulus or injection of adrenaline causing an increase in these functions of the liver. There is some indication that the lungs serve as the chief storage depot for blood platelets, which are possibly formed there, the rapid increase in the number of blood platelets in the circulating blood perhaps being accounted for by their being washed out of the lungs.

L. Crome

SO: Abstracts of World Medicine AWM Vol. 16 No. 4

Hematol. and Transfusion Inst., Moscow

DZHAVADYAN, N. S.
USSR/Medicine - Physiology

FD-2553

Card 1/2 Pub 17-6/23

Author : Dzhavadyan, N. S.

Title : On the question of the participation of the central nervous system in the regulation of the cellular composition and certain physico-chemical properties of blood. Report 1: The effect of conditioned pain stimulation on the blood picture and the erythrocyte sedimentation rate and fragility

Periodical : Byul. eksp. biol. i med. 5, 20-26, May 1955

Abstract : Investigated the effect of conditioned pain stimulation on the blood picture and the R.B.C. sedimentation rate and fragility. Compares data on blood picture changes in conditioned and unconditioned pain stimulation in normal dogs and dogs in which the cerebral cortex had been removed and in which the thalamo-hypothalamus area had been damaged. Attempts to explain both the extent of the unconditioned-reflex role of the thalamo-hypothalamus area in the realization of the effect of the pain stimulation on the blood system, and the conditioned and unconditioned role of the cerebral cortex in the realization of the pain effect on the blood system. Graphs. Ten references, all USSR (5 since 1940).

FD-2553

Card 2/2

Institution : Central, Order of Lenin Institute of Hematology and Blood Transfusion (Director - A. A. Bagdasarov, Corresponding Member of the Academy of Medical Sciences USSR) of the Ministry of Health USSR. Physiology Laboratory (Director - E. A. Asratyan, Corresponding Member of the Academy of Sciences USSR) of the Academy of Sciences USSR, Moscow

Submitted : August 23, 1954 by V. N. Chernigovskiy, Member of the Academy of Medical Sciences USSR

DZHAVADYAN, N.S.

Regulation of blood pressure following cross section of the spinal cord. Fiziol.zhur.41 no.4:512-517 Jl-Ag '55.(MLRA 8:10)

1. Iz fiziologicheskoy laboratorii AN SSSR i iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi, Moskva.
(SPINAL CORD, physiology,
eff. of section on regulation of blood pressure)
(BLOOD PRESSURE, physiology
regulation after spinal cord section)

Name: DZHAVADYAN, Nikolay Sarkisovich

Dissertation: Experimental Data on the problem of nervous regulation of the blood system

Degree: Doc Med Sci

Affiliation: Central Order of Lenin Inst of Hematology and Blood Transfusion of the Min of Health USSR

Defense Date, Place: 30 Mar 56, Council of the Dept of Clinical Medicine, Acad Med Sci USSR

Certification Date: 23 Mar 57

Source: BMVO 14/57

USSR / Human and Animal Physiology (Normal and Pathological). Blood. Formed Elements T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97383

Author : Dzhavadyan, N. S.

Inst : Not given

Title : On Participation of Central Nervous System in Regulation of Morphological Composition and Quantity of Hemoglobin in Peripheral Blood. Report II. Influence of Pain Stimulus and Adrenalin Injection on the Blood Picture in Dogs with Injured Thalamo-Hypothalamic Region

Orig Pub: Byul. eksperim. biol. i meditsiny, 1956, No 1, 3-10

Abstract: On five dogs with injured thalamo-hypothalamic regions, five experiments were conducted with pain

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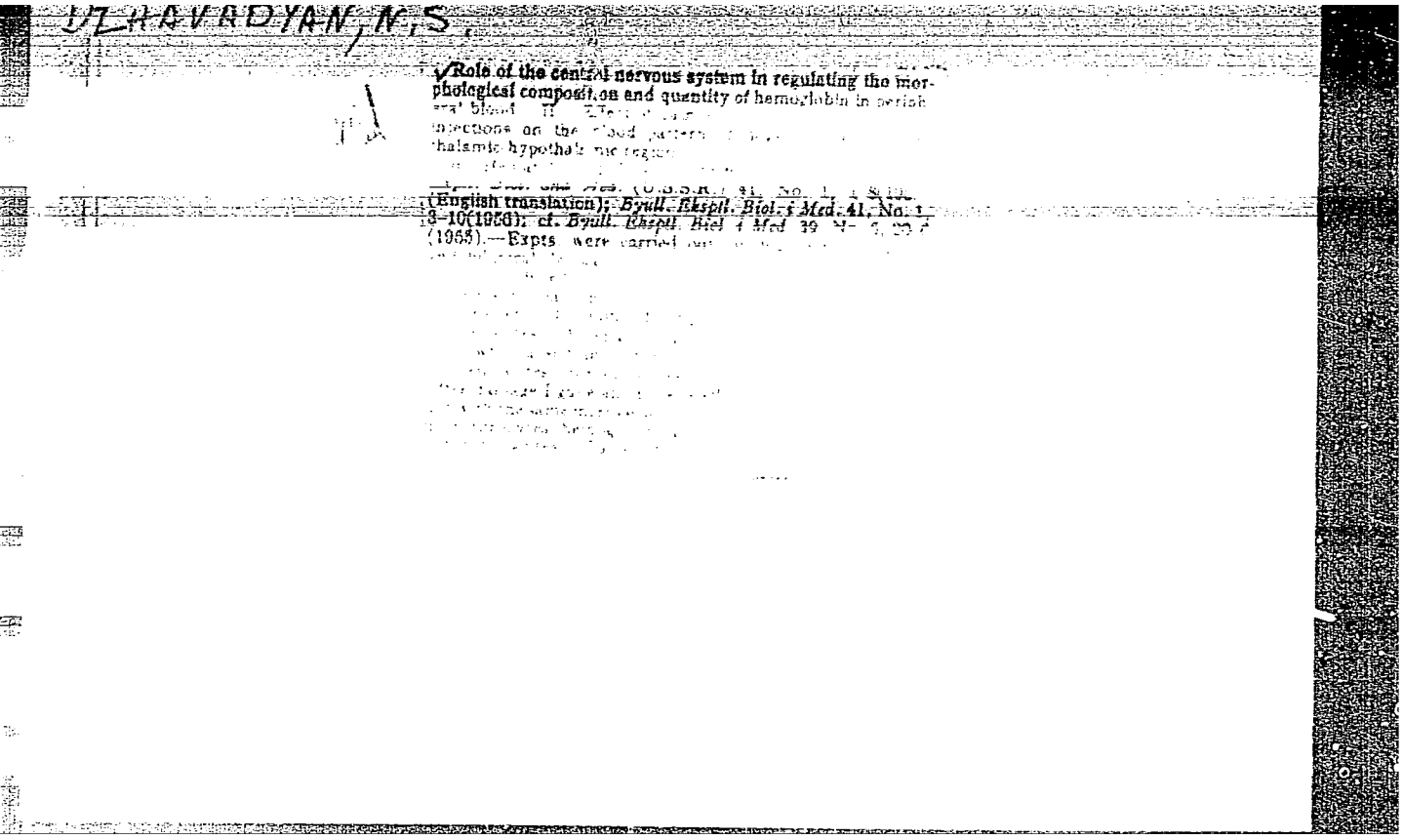


IZ-HAVRDYAN, N.S.

√Role of the central nervous system in regulating the morphological composition and quantity of hemoglobin in periph[eral] blood. II. [illegible] injections on the blood pattern [illegible] thalamic hypothal[amic] region.

[illegible] (U.S.S.R.) 41, No. 1, 3-10 (English translation); *Byull. Eksptl. Biol. i Med.* 41, No. 1, 3-10(1956); cf. *Byull. Eksptl. Biol. i Med.* 39 [illegible] (1955).—Expts were carried [illegible]

DZHAVADYAN, N.S.

Participation of the central nervous system in the regulation of blood composition. Report no.3: Effect of a pain stimulus and injection of adrenalin on blood count and hemoglobin in dogs following unilateral and bilateral hemispherectomy. Biul.eksp. biol. i med. 41 no.4:15-18 Ap '56. (MLRA 9:8)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. chlen-korrespondent AMN SSSR A.A.Bagdasarov, nauchnyy konsul'tant - prof. M.S.Dul'tsin) iz fiziologicheskoy laboratorii (zav. chlen-korrespondent AN SSSR E.A.Asratyan) AN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.N.Chernigovskim.

(BLOOD CELLS,
count, eff. of pain stimulus & epinephrine in dogs after unilateral & bilateral cerebral hemispherectomy (Rus))
(PAIN, experimental,
eff. on blood count in dogs after unilateral & bilateral cerebral hemispherectomy (Rus))
(EPINEPHRINE, effects,
on blood count in dogs after unilateral & bilateral cerebral hemispherectomy (Rus))
(BRAIN, physiology,
eff. of hemispheroctomy on blood count responses to epinephrine & pain stimulus in dogs (Rus))

DZHAVADYAN, N.S.

EXCERPTA MEDICA Sec.2 Vol.10/2 Physiology,etc Feb57

803. DJAVADYAN N.S. Inst. of Hematol. of Blood Transf., Min. of Hlth Preservation SSSR, Moscow. *Adaptability of the cardiovascular system to haemorrhage in dogs with high complete section of the spinal cord FIZIOL. Z. 1956, 42/7 (553-558) (Russian text)

Removal of the cerebral hemispheres in dogs is usually well tolerated in spite of a blood loss of 20 to 30% of the total blood voluem, yet the majority of 30 dogs, with high spinal cord section died after a blood loss of 20 to 25 ml. The tolerance was particularly low in young animals. The vulnerability to blood loss is observed not only immediately after the operation during the period of blood pressure drop, but also after the blood pressure has largely recovered. However, there is a slow gradual increase of the resistance to blood loss, due to the recovery of the vasomotor tone in the spinal centres as well as in the peripheral vessels, and to central regulation of the blood pressure mediated through the vagus, carotid sinus and aorta pressure receptors, and through hormones.

Simonson - Minneapolis, Minn.

DZHAVADYAN, N. S.

"Clinical Picture and Treatment of Penetrating Wounds of the Cornea During Radiation Sickness of Dogs," by P. V. Prechre-zhenskiy, A. P. Belousov, N. S. Dzhavadyan, V. N. Lizogubov, L. F. Orkodashvili, and A. N. Pokrovskiy, [illegible] (head, Prof B. L. Polyak), Military-Medical Order of Lenin Academy imeni S. M. Kirov, Vestnik Oftalmologii, No 3, May/Jun 57, pp 10-13

The purpose of the present research was to study the clinical picture and treatment of penetrating wounds of the cornea of dogs sick with acute radiation sickness under conditions of delayed surgical treatment.

Three series of experiments were performed on 45 dogs: (1) the healing of penetrating wounds of dogs (controls): (2) the healing of penetrating wounds of dogs irradiated by 300 r from radioactive cobalt, but not treated; and (3) the healing of penetrating wounds of dogs irradiated by 300 r from radioactive cobalt and treated with penicillin. The method of surgical intervention for the application of a corneal suture as suggested by the Central Institute of Blood Transfusion was also investigated.

Results proved that (1) there were no clinically visible differences between the control and irradiated dogs during the latent period of acute radiation sickness in respect to the healing of the penetrating wounds of dogs' cornea; and (2) corneal sutures applied on the third day after the infliction of wounds on irradiated dogs were found to be an effective method for the sugical treatment of this type of combined injury. (U)

SUKYASYAN, G.V.; DZHAVADYAN, N.S.; NOVIKOVA, M.N.; BELYAYEVA, B.F.; PROBATOVA, M.A.; SHITIKOVA, M.G.

Study of the effect of transfusion of polyvinylpyrrolidone on the course of acute radiation sickness. Probl.gemat. i perel. krovi 4 no.3:48-55 Mr '59. (MIRA 12:6)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof.A.A.Bagdasarov) Ministerstva zdravookhraneniya SSSR.

(ROENTGEN RAYS, inj. eff.
radiation sickness, eff. of polyvinylpyrrolidone transfusion in animals (Rus))
(POLYVINYLPYRROLIDONE, eff.
intravenous admin., on acute radiation sickness in animals (Rus))

DZHAVADYAN, N.S.; ROSTOVTSEV, B.N.; DANIEL'SON, A.K.; KOVALEVA, L.I.

Results of the experimental and clinical use of electrical heart stimulation. Trudy NIIEKHAI no.5:245-249 '61. (MIRA 15:8)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov.
(CARDIAC RESUSCITATION)

ROSTOVTSEV, B.N.; KOVALEVA, L.I.; DZHAVADYAN, N.S.

The ES-1 electric stimulator of the heart. Med. prom. 15 no.7:50-53 Jl '61. (MIRA 15:6)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov.
(CARDIOLOGY—EQUIPMENT AND SUPPLIES)

ROSTOVTSEV, B.N.; KOVALEVA, L.I.; DZHAVADYAN, N.S.

Portable ES-2 electric heart stimulator. Med.prom. 16 no.4:45-46 Ap '62. (MIRA 15:8)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov.
(HEART FAILURE) (CARDIOLOGY--EQUIPMENT AND SUPPLIES)

DZHAVADYAN, N.S.; IVANOVA, L.N.; FILIMONOV (Moskva)

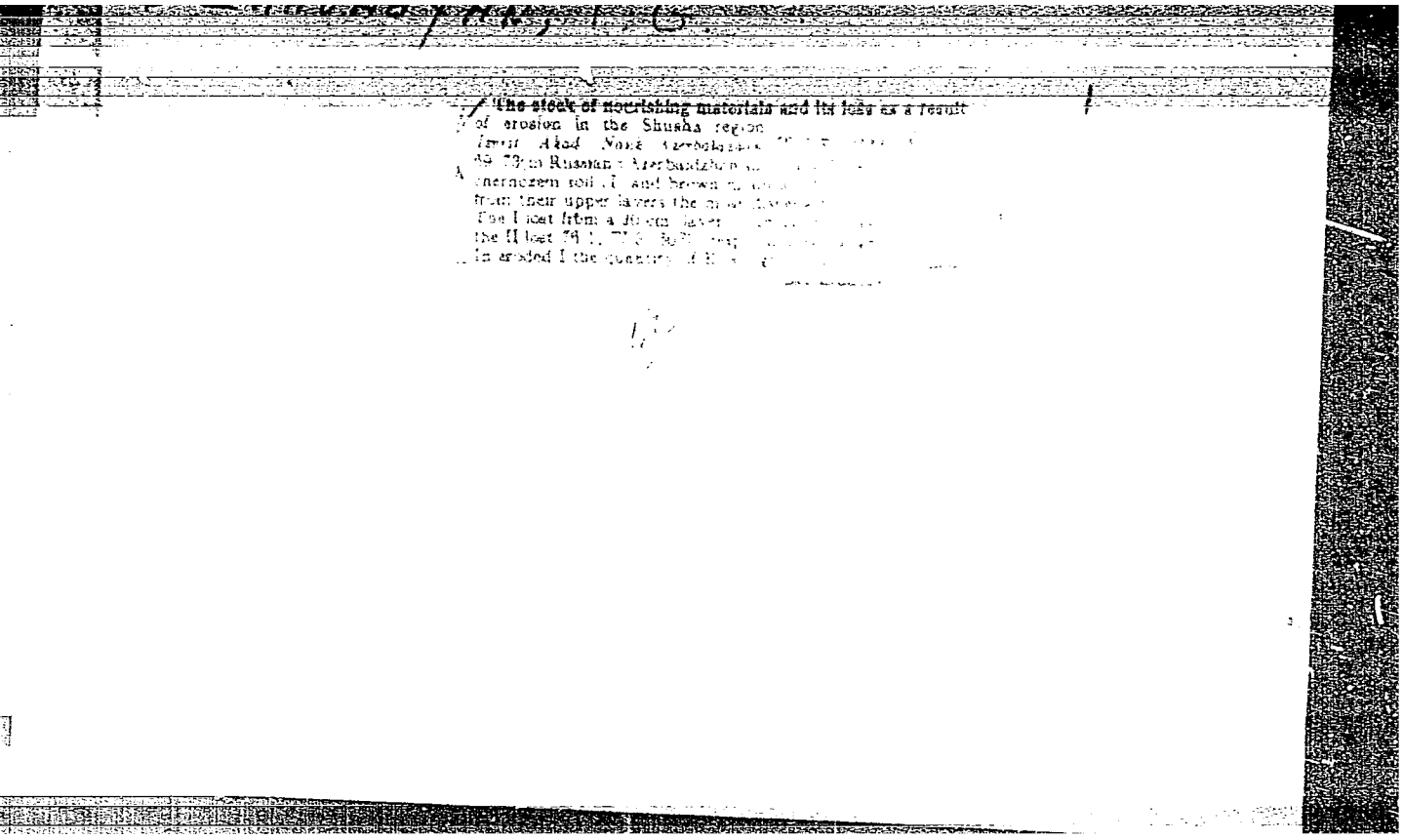
Intracardiac examination of blood pressure and phonocardiogram under experimental conditions with a new Soviet apparatus. Pat. fiziol. i eksp. terap. 7 no.2:78-80 Mr-Ap'63.

1. Iz fiziologicheskoy laboratorii (zav. - doktor med. nauk N.S.Dzhavadyan) Nauchno- issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentov Ministerstva zdravookhraneniya SSSR.
(BLOOD PRESSURE—MEASUREMENT)
(HEART—SOUNDS)

YASHIN, V.N.; DZHAVADYAN, N.S. Prinimali uchastiye: STUPKO, N.S.; SOLOV'YEVA, L.I.

Determination of the effect of various hard surfaces on blood coagulation. Probl. gemat. i perel. krovi 8 no.6: 35-41 Je'63 (MIRA 17:4)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentov (direktor - M.G. Anan'yev). (for Yashin, Dzhavadyan). 2. Sotrudniki gematologicheskoy laboratorii Nauchno-issledovatel'skogo instituta (for Stupko, Solov'yeva).



The stock of nourishing materials and its loss as a result
of erosion in the Shusha region
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TITLE: Erosion Decreases the Fertility of Hill and Forest Soils (Snizheniye plodorodiya gorno-lesnykh pochv v resul'tate erozii)

PERIODICAL: Sots. s. kh. Azerbaidzhana, 1956, Nr 10, pp 22-25

ABSTRACT: The Soil-Erosion Station of the Institute of Soil Sciences and Agricultural Chemistry of the AS Azerbaidzhanskaya SSR in the Nagorno-Karabakhskaya Autonomous Oblast' reports that crop yields from highly eroded soils are three or four times smaller than those from only slightly eroded soils. Humus content is twice as large, and total N and assimilated P are three or four times as abundant in slightly eroded meadow-type chernozem, as they are in brown

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hill and forest soil. In the upper layer of strongly eroded meadow-type chernozem, soil humus comprizes approximately 2 percent (38 tons per hectare), while in slightly eroded soil it constitutes approximately 6 percent; in the first instance the amounts of total N and assimilated P are one and a half to two times smaller than in the second. In the upper layer (10 to 20 cm) of highly eroded brown hill and forest soils, humus constitutes approximately 12.5 tons per hectare and total N is almost five times smaller than in slightly eroded soil (where humus is approximately 53 tons per hectare and P and K are one and a half to two times smaller). Observations made on specially established drainage areas have shown that after a single rain (approximately 50 mm of precipitation) the erosion of highly eroded meadow-type chernozem soil on the northwestern slope with a 15° to 17° grade reached five tons per hectare, but on a similar area of slightly eroded soils, erosion did not occur even when steam was applied. Artificial sprinkling experiments on small areas have proved that eroded soils are more highly susceptible to

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washaway than slightly eroded soils. Thus, washing away of highly eroded hill and forest soils amounted to 82 tons per hectare, while on slightly eroded fallow land the soil appeared to be undisturbed. Brown forest soils lose their nutritious content to an appreciably higher degree than do meadow-type chernozem soils.

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G. K.